

Collect and Organize Data: Line Plots

Marcia counted the number of letters in each word in a story. The data is shown below.

Number of Letters in Words in a Story											
3	3	5	6	4	2	1	5	6	3	4	7
3	2	3	5	2	8	4	5	3	3	5	2
5	6	3	5	1	4						

You can organize the data in a tally table.

To compare the data, you can make a line plot.

Example: For the first number, 3, make a tally mark in the table. Cross out the 3 in the data above. Then record and cross out the remaining 3s in the line plot. In the line plot, use an X to stand for each word in the story.

Complete the tally table and the line plot.

Number of Letters in Words in a Story

2 words had
1 letter.
↓

7 words had
5 letters.
↓

X

X

3 words had
6 letters.
↓

X

X

X

X

X

X

X

X

X

1

2

3

4

5

6

7

8

Number of Letters in Words in a Story		
Number of Letters in Words	Tally	Total Number of Words
1	II	2
2		
3	### III	8
4		
5		
6		
7		
8		

Use the line plot. How many words had:

1. 3 letters? _____ 2. 2 letters? _____ 3. 8 letters? _____

4. more than 3 letters? _____ 5. Less than 3 letters? _____

6. How many letters did the greatest number of words have? _____

Name: _____

Date: _____

5-5 P Homework

Collect and Organize Data: Line Plots

1. Complete the tally table and line plot for the following data.

Number of Miles Run Each Day by the Members of the Fleet-Footed Club

3	2	5	4	6	3	1	5	4	3	2	6
4	3	5	3	2	2	1	5	4	3	6	3
2	5	3	1	4	2	5	6	2	3	2	

Number of Miles Run Each Day by the Members of the Fleet-Footed Club

Number of Miles	Tally	Total
1	///	
2	HHI ///	
3	HHI II	
4	HHI	
5	HHI I	
6	IIII	

Number of Miles Run Each Day by Members of The Fleet-Footed Club

1	2	3	4	5	6
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Use the line plot to answer the questions.

2. How many miles did the greatest number of students run? _____

3. How many members ran 6 miles a day? _____

4. How many members ran 4 miles or more a day? _____

5. How many more members ran 4 miles a day than 1 mile a day? _____

6. How many members are in the club? _____